

# Manual for CO-PO-PSO Attainment and Assessment Process

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## 1. VISION AND MISSION OF THE INSTITUTION

## VISION



## 2. STATEMENT OF OBE

Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels.

Outcome-based education (OBE) is an educational delivery model that focuses on mapping, measuring, and achieving predetermined educational goals to help students learn, develop, and nurture skills that would help them grow in their professional as well as personal life.

We usually follow the 'constructive alignment' process for building the curriculum for OBE. This term was given by Professor John Biggs in 1999. It means the process of creating a learning environment that encourages various learning activities to achieve the desired learning outcomes.



Fig (1): OBE Process

## **3. BLOOM'S TAXONOMY**

Bloom's Taxonomy was created by Benjamin Bloom in 1956, published as a kind of classification of learning outcomes and objectives that have, in the more than half-century since, been used for everything from framing digital tasks and evaluating apps to writing questions and assessments. The original sequence of cognitive skills was Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation. The framework was revised in 2001 by Lorin Anderson and David Krathwohl, yielding the revised Bloom's Taxonomy. The most significant change was the removal of 'Synthesis' and the addition of 'Creation' as the highest-level of Bloom's Taxonomy. And being at the highest level, the implication is that it's the most complex or demanding cognitive skill–or at least represents a kind of pinnacle for cognitive tasks



Fig (2): Bloom's Taxonomy

## 4. STATEMENT OF PO, PSO AND CO

#### **Programme Outcomes**

POs are statements about the knowledge and skills the graduate/post graduate of an institution should have. POs deal with the general aspect of Graduation/Post Graduation for a particular programme, and the competencies and expertise a graduate/post graduate will possess after completion of the program. These are broad and cover a wider area than of COs.

#### **Programme Specific Outcomes**

Programme Specific Outcomes (PSOs) are specifically defined outcomes of the programme which the graduates have to acquire by the end of the programme.

#### **Course Outcome**

They are the resultant knowledge skills the student acquires at the end of a course. It defines the cognitive processes a course provides. It is the statement which indicates, that a student can do after the successful completion of a course. Every Course leads to some Course Outcomes. The CO statements are defined by considering the course content covered in each module of a course. For every course, teacher may prepare six or less course outcomes. The keywords used to define COs are based on Bloom's Taxonomy

## **5. PROGRAMME OUTCOME FOR UG AND PG**

#### 5.1. FOR UG -BA, BCOM, BSC, BBA, BCA

On completion of a UG Programme from Christ Nagar College, students should be able to demonstrate the **programme outcomes** listed below:

**PO1: PROFESSIONALISM AND ETHICS-** Demonstrate accountability and professionalism that is rooted in ethical, altruistic, moral, and humanistic principles.

**PO2: LEADERSHIP AND SOCIAL ACUITY** - Capable of taking responsibilities as a leader and demonstrate responsiveness to the regional and national environments developing abilities to manage challenges for nation building.

**PO3: DIGITAL COMPETANCE**: Able to use technology and skills to process information and data for the benefit of the society.

**PO4: COMMUNICATION AND TEAM WORK-** Interact effectively with stakeholders, fostering an environment of team work, mutual respect and shared decision making skills.

**PO5: CRITICAL THINKING -** Foster in students an inquisitive mind to analyze and develop capacity to become an active leaner through critical thinking.

#### 5.2 FOR PG-MCOM, MA, MSC

On completion of a PG Programme from Christ Nagar College, students should be able to demonstrate the **programme outcomes** listed below:

**PO1: RESEARCH AND QUALITY**: Nurture research mindset through quality in thoughts and scientific temperament. Utilize systems to continuously improve the quality and standards.

**PO2: BEST PRACTICES**: Inculcate a mindset to seamlessly adopt innovation and entrepreneurship, assimilating best-practices for global excellence.

**PO3: LIFELONG LEARNING-** Develop skills and attitude for life-long learning and pursue self-directed learning for refining professional expertise.

**PO4: VISIONARY AND MISSION DRIVEN:** Inspire stakeholders to pursue bigger visions through hard work, perseverance and managerial skills.

**PO5: GLOBAL OUTLOOK AND SOLUTIONS**: Greater understanding of global problems to ideate and implement solutions.

## 6. PROGRAMME SPECIFIC OUTCOMES (PSO)

#### **BA ENGLISH LANGUAGE AND LITERATURE**

**PSO1: Identify** the divergent and plural voices that come in to the making of the corpus of literary studies (**Understand**)

PSO2: Develop the requirements of the language use in a globalized context (Apply)

**PSO3:** Analyze and interpret the literary works in light of the literary theories and various philosophies (Analyze)

#### **BCOM COMMERCE WITH COMPUTER APPLICATION**

**PSO1:** Solve problems using the theoretical and conceptual understanding in Commerce, Business Management, Accounting, Taxation and Computer Application by applying the technical and mathematical skills (**Apply**)

**PSO2**: **Develop** a sense of professional knowledge and skill in different areas of communication, entrepreneurship, programming and accounting (**Apply**)

**PSO3**: Assess different business phenomena and environment while engaging in research to nurture social responsibility and environmental consciousness (**Evaluate**)

#### **BCOM COMMERCE AND TAX PROCEDURE AND PRACTICE**

**PSO1: Solve** problems using the basic understanding of laws in Commerce and Taxation and by applying the accounting, technical and mathematical skills (**Apply**)

**PSO2: Develop** skills in different areas of communication, entrepreneurship and management to work competently and productively in groups, exercising inter personal skills. (**Apply**)

**PSO3:** Assess different business phenomena and environment while engaging in research to nurture social responsibility and environmental consciousness (**Evaluate**)

#### **BSC MATHEMATICS**

**PSO1:** Apply mathematical concepts in the field of differential and integral calculus, algebra, analysis, number theory and differential equations, establish mathematical expressions using software and interpret statistical and physical field using mathematical concepts. (Apply)

**PSO2:** Integrate edified communication skills and critical thinking to examine and solve various societal problems and develop skills in the field of document making, mathematical computation, and visualization using software. (Create)

**PSO3: Develop** the knowledge in statistical and physical field to enhance mathematical applications career prospects and adapt changing scientific environment, uphold scientific integrity, managing environmental emergencies and objectivity in professional endeavours. (**Create**)

#### **BSC STATISTICS**

**PSO1:** Develop communication skills to convey the concepts and applications of Statistics for the holistic development of society upholding the principles of sustainable development and environmental consciousness. (Apply)

**PSO2**: **Apply** statistical techniques for collection, presentation, analysis and interpretations of data and draw valid inferences, Develop programming skill to analyze data using statistical software.(**Apply**)

**PSO3**: **Describe** Statistical methods applied to study Demographic, Industrial and Economic patterns and behavior and also integrate theoretical knowledge and skills to develop new ideas in the field of research and real life situations.(**Understand**)

#### **BA JOURNALISM AND MASS COMMUNICATION**

PSO1: Adapt different practices in Communication and Journalism (Create)

**PSO2: Examine** the theoretical underpinnings of the media practices (**Remember**)

**PSO3: Produce** content for different media platforms (Apply)

#### BBA

**PSO1**: Solve problems using the basic understanding of various principles and functional areas of management for developing new findings through research. (Apply)

**PSO2**: **Apply** entrepreneurial and managerial skills as well as knowledge regarding banking, information systems, legal aspects of business & e-business for effective business management. (**Apply**)

**PSO3**: **Develop** an organization by knowing the business environment and be socially, ethically, and ecologically mindful. Improve the business communication and soft skills to advance to the management and administrative levels. Develop the business knowledge, analytical abilities, and financial literacy required to understand the dynamic nature of the business organization. (Apply)

#### BCA

**PSO1: Explain** the concepts and architecture of computer systems; employ the aspects of environmental consciousness and social intervention (**Understand**).

**PSO2:** Apply mathematical tools and algorithmic techniques to solve computational problems (Apply).

**PSO3: Develop s**oftware applications using the latest programming languages and technology in the emerging areas of computer applications and develop soft skills and analytical skills to compose innovative solutions and entrepreneurial ventures (**Apply**).

#### **BSC PHYSICS & COMPUTER APPLICATIONS**

**PSO 1:** Providing deep knowledge in Physics so that students are able to analyse and apply the knowledge of Physics in an innovative, dynamic and challenging environment for design and development of new products (**Understand, Apply**).

**PSO 2:** Making students capable to solve practical, design and analysis problems to complete the challenge to fabricate, test and develop the products with more innovative technologies (**Analyse, Understand and Apply**)

**PSO 3:** Design solutions for complex Physics problems and design systems that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations (**Understand and apply**).

#### MA ENGLISH LANGUAGE & LITERATURE

**PSO1**: **Observe** the relationship between art and life to comprehend the social, emotional, psychological, political and cultural features of literary texts. (**Understand**)

**PSO2**: **Summarize** the basic pedagogical principles and praxis relating to the teaching of English language and literature (**Evaluate**)

**PSO3**: **Develop** the critical skills and theoretical knowledge necessary to work towards a research degree (**Create**) **PSO6**: **Construct** a research plan to pursue further studies in areas of intent. (**Creating**)

#### MCOM (ELECTIVE-FINANCE AND ACCOUNTING)

**PSO1**: Apply theoretical knowledge for career growth (Apply)

PSO2: Solve social problems using research techniques and tools (Create)

PSO3: Choose the appropriate application of various laws including cyber law, industrial law,

tax laws and economic laws in different situations. (Evaluate)

#### **MSC COMPUTER SCIENCE**

**PSO1:** Develop Advanced Knowledge in Data structures, Computer Networks, Data Base Management Systems, Data Mining, Operating Systems, Information Security, Compiler Design, Distributed Systems and other related courses.

**PSO2**: Use Mathematical and Optimization Techniques, Cloud Computing and there by facilitating the students to develop computational problems.(Apply)

**PSO3**: **Implement** experiment for solving real life problems using advanced programming languages and prepare them for doing research. (**Apply**)

## 7. COURSE OUTCOMES

## **DEPARTMENT OF COMMERCE**

## **BCom Commerce with Computer Applications**

COURSE CODE	COURSE NAME		COURSE OUTCOME
EN 1111.2	LANGUAGE SKILLS CO1	CO1	<b>Define</b> the tenets of Soft skills and the four fold skills. ( <b>Remember</b> )
		CO2	<b>Explain</b> elements of basic communication through micro and macro skills ( <b>Understand</b> )
		CO3	<b>Develop</b> conversational skills through dialogue writings. ( <b>Apply</b> )
		<b>CO4</b>	<b>Analyse</b> the students' ability as a critical reader and writer. ( <b>Analyze</b> )
		CO5	<b>Create</b> expertise in business and professional writing to endorse employability. ( <b>Create</b> )
CC1141 INTRODUCTION TO INFORMATION TECHNOLOGY		CO1	<b>Explain</b> the basic concepts of Information Technology. (Understand)
	Ar.	CO2	<b>Extend</b> knowledge on different units of computer. (Understand)
		CO3	<b>Discuss</b> the various types of hardware and software of computer. ( <b>Understand</b> )
	RIS	CO4	<b>Identify</b> the modern digital technologies like social Medias, digital banking, mobile operating system etc.( <b>Understand</b> )
Ć		CO5	<b>Distinguish</b> between the different number systems and conversion from one system to another ( <b>Analyze</b> )
CC1121	METHODOLOGY AND PERSPECTIVES OF BUSINESS EDUCATION	CO1	Explain the concept of economic system, business entities and economic sectors. (Understand)
		CO2	<b>Discuss</b> the role of business in Economic Development ( <b>Understand</b> )
		CO3	<b>Explain</b> the role of trained manpower and technology in promoting ethical practices

			in business (Understand).
		CO4	<b>Observe</b> the concept of Social ethics, social responsibility and social service ( <b>Remember</b> )
		CO5	<b>Express</b> holistic, comprehensive and integrated perspective to business education ( <b>Understand</b> )
CC1142	ENVIRONMENTAL STUDIES	CO1	Explain the basic concepts and emerging issues about the environment (Understand).
		CO2	<b>Discuss</b> the role of an individual in the protection of the biodiversity and the environment ( <b>Understand</b> ).
		CO3	<b>Determine</b> the causes of pollution and solutions to deal with it ( <b>Apply</b> ).
		CO4	Propose solutions to maintain sustainable development (Create)
		CO5	<b>Construct</b> an idea about population explosion, its impact and Human rights in our economy( <b>Create</b> )
CO 1142	MANAGEMENT CONCEPTS AND THOUGHT	CO1	<b>Describe</b> different dimensions of management and its process ( <b>Remember</b> )
		CO2	<b>Compare</b> different leadership styles and theories ( <b>Understand</b> )
		CO3	<b>Compare</b> different motivation theories applying in Business ( <b>Understand</b> )
		CO4	<b>Describe</b> communication models in Business ( <b>Understand</b> )
	RIP	CO5	<b>Explain</b> various contemporary techniques of management like TQM, change management and learning organization ( <b>Understand</b> )
CO1131	MANAGERIAL ECONOMICS	CO1	<b>Explain</b> the basic concepts related to the application of Economic theories, tools and methodologies in business decision making. ( <b>Understand</b> )
		CO2	<b>Describe</b> the types, elasticity and methods of forecasting the demand.( <b>Understand</b> )
		CO3	<b>Discuss</b> the theoretical concepts of production and business cycle ( <b>Understand</b> )

	CO4	<b>Differentiate</b> the various forms of market and price determination under various market conditions ( <b>Understand</b> )
	<b>CO5</b>	Determine the causes of business
		cycle( <b>Apply</b> )

COURSE CODE	COURSE NAME		COURSE OUTCOME
EN1211.4	EN1211.4 ENGLISH FOR CAREER	CO1	<b>Practice</b> the vocabulary essential for professional communication. ( <b>Apply</b> )
		CO2	<b>Construct</b> sentences without errors using remedial grammar. ( <b>Create</b> )
		CO3	Analyzepassagesforcomprehensionusinglogicalandcritical thinking.(Analyze)
		CO4	<b>Recall</b> the grammatical and syntactical rules by solving remedial exercises ( <b>Remember</b> )
CC1241	FINANCIAL MANAGEMENT	C01	<b>Discuss</b> the meaning, scope and key decisions of financial management. ( <b>Understand</b> )
		CO2	<b>Explain</b> the concept of cost of capital, capital structure and theories of capital structure. ( <b>Understand</b> )
	2D	CO3	<b>Describe</b> the capital budgeting decision and management of working capital. ( <b>Understand</b> )
Ô		CO4	<b>Explain</b> the dividend policies and theories of dividend policies. (Understand)
		CO5	<b>Compute</b> the working capital requirement of an organisation( <b>Apply</b> )
CO 1221	INFORMATICS AND CYBER LAWS	CO1	<b>Review</b> the basic concepts and fundamental knowledge in the field of informatics ( <b>Understand</b> )

		CO2	<b>Create</b> awareness about the nature of the emerging digital knowledge society and the impact of informatics on business decisions. ( <b>Create</b> )
		CO3	<b>Create</b> awareness about the cyber world and cyber regulations.( <b>Create</b> )
		CO4	Create awareness about the Cyber Laws.(Create)
		CO5	Create awareness about network and Security.(Create)
CC1242	FINANCIAL ACCOUNTING	CO1	<b>Compute</b> the financial position of a sole trader. ( <b>APPLY</b> )
		CO2	Analyze the books of account of hire purchasing system(Analyze)
		CO3	<b>Evaluate</b> the accounts of voyage, package and container system( <b>Analyze</b> )
		CO4	Appraise investment accounts (Evaluate)
		CO 5	<b>Analyze</b> claims to be lodged in case of insurance claim ( <b>Analyze</b> )
CC1243	BUSINESS REGULATORY FRAMEWORK	CO1	<b>Describe</b> the basic concepts, terms and provisions of Business Law.( <b>Remember</b> )
	R	CO2	<b>Identify</b> the essential elements of a contract.( <b>Understand</b> )
Ô		CO3	<b>Distinguish</b> between bailment and pledge and idemnity and guarantee.( <b>Analyze</b> )
		CO4	<b>Prepare</b> a model of Right to Information application for obtaining information under RTI Act ,2005.( <b>Create</b> )
		CO5	<b>Explain</b> the various IPR related laws prevailing in our country ( <b>Apply</b> )

CC1231	BUSINESS MATHEMATICS	CO1	<b>Illustrate</b> fractions, mixed numbers, permutations, combinations ( <b>Apply</b> )
		CO2	<b>Practice</b> Matrices, determinants, linear and quadratic equations, differentiation and integration and their operations. ( <b>Apply</b> )
		CO3	<b>Explain</b> set theory, bar and pie diagram, Cramer's rule, extrapolation and interpolation with line graphs. ( <b>Apply</b> )
		CO4	<b>Understand</b> Mathematical application in Business ( <b>Understand</b> )
		CO5	Prepare Financial Statement Analysis.(Apply)

COURSE CODE	COURSE NAME		COURSE OUTCOME
CC 1341	PROJECT FINANCE	CO1	<b>Formulate</b> the patterns of project financing ( <b>Create</b> )
		CO2	<b>Record</b> the financial techniques for project appraisal ( <b>Understand</b> )
	C'	CO3	<b>Estimate</b> the risk associated in the project implementation ( <b>Analyze</b> )
	R	CO4	<b>Formulate</b> the patterns of project financing ( <b>Create</b> )
Ć		CO5	<b>Estimate</b> the issues faced in global project ( <b>Analyze</b> )
CC 1342	ENTREPRENEURSHIP DEVELOPMENT	CO1	<b>Explain</b> the concept of entrepreneur, entrepreneurship and also show the fundamental aspects of entrepreneurship ( <b>Understand</b> )
		CO2	<b>Explain</b> the latest programmes of Government in promoting small and medium industries ( <b>Apply</b> )
		CO3	<b>Prepare</b> a project report and basic

			principles to create a good project report (Apply)
		CO4	Organize the knowledge to start own new ventures (Analyze)
		CO5	<b>Identify</b> the procedure associated with initiating an entrepreneurial activity ( <b>Understand</b> )
CC 1343	ADVANCED FINANCIAL ACCOUNTING	CO1	<b>Prepare</b> accounts related to dissolution of partnership firms. (Apply)
		CO2	Solve the problems in consignment accounts. (Apply)
		CO3	<b>Prepare</b> accounts of joint venture business. ( <b>Apply</b> )
		CO4	<b>Illustrate</b> the system of accounting for different branches. ( <b>Apply</b> )
		CO5	Assess and illustrate the accounting for departments(Apply)
CC 1344	COMPANY ADMINISTRATION	CO1	<b>Examine</b> the salient provisions of Indian Companies Act 2013 ( <b>Remember</b> )
		CO2	Analyze the functions and responsibilities of Board of Directors (Analyze)
		CO3	<b>Describe</b> the affairs of the company and winding up procedure ( <b>Understand</b> )
	S	CO4	<b>Prepare</b> a report compiling all the essential documents needed at various stages of the formation of a Public Limited Company ( <b>Create</b> )
		CO5	<b>Compare</b> the provisions of Company Act 1956 and 2013 ( <b>Evaluate</b> )
CC1345	COMPUTER APPLICATION FOR PUBLICATION	CO1	<b>Explain</b> the functional knowledge in the field of free software ( <b>Understand</b> )
		CO2	<b>Illustrate</b> the various operations in Microsoft Word ( <b>Apply</b> )
		CO3	<b>Develop</b> practical skills on advanced uses of Microsoft Word ( <b>Apply</b> )
		CO4	Design pages in Desktop Publishing

			Software (Create)
		CO5	<b>Create</b> business presentation using Microsoft Powerpoint ( <b>Create</b> )
CC 1331	E BUSINESS	CO1	<b>Explain</b> the basic concepts of E-Business and E-Commerce and also their types and models. ( <b>Understand</b> )
		CO2	<b>Describe</b> about some of the innovative E Business Systems. ( <b>Remember</b> )
		CO3	<b>Create</b> an idea about various areas of E business applications and E Governance. ( <b>Create</b> )
		<b>CO 4</b>	<b>Describe</b> about various E-Business initiatives taken from the side of government ( <b>Understand</b> )
		CO 5	<b>Develop</b> knowledge on the basics of starting online business ( <b>Create</b> )

COURSE	COURSE NAME		COURSE OUTCOME
CODE	COURSE NAME	Ċ	COURSE OUTCOME
CC 1441	FINANCIAL	CO1	Create an idea about financial services in India
	SERVICES IN INDIA		(Create)
		CO2	<b>Analyze</b> functioning of fund based and fee financial services in India ( <b>Analyze</b> )
	5	CO3	<b>Discover</b> various the pros and cons of financial services presently available in India ( <b>Apply</b> )
	R	CO4	<b>Develop</b> a sense among using Financial Services in real life situations ( <b>Apply</b> )
Ć		CO5	<b>Develop</b> the knowledge about various financial services available for starting an functioning of a business ( <b>Create</b> )
CC 1444	CORPORATE ACCOUNTING	CO1	<b>Create</b> an idea about the international accounting principles and procedures ( <b>Create</b> )
		CO2	<b>Analyse</b> the accounting procedures followed by different corporate entities in India ( <b>Analyze</b> )
		CO3	<b>Explain</b> the accounting procedures and different books of accounts maintained by different corporate entities in India ( <b>Analyze</b> )

		CO4	<b>Combine</b> the theory and applications level to understand the procedures practice and principles in the branch of accounting ( <b>Apply</b> )
		CO5	<b>Understand</b> various accounting standards and its applications( <b>Apply</b> )
CO1442-	BANKING AND INSURANCE	CO1	<b>Discuss</b> the functions of commercial Banks and Central Banks . (Understand)
		CO2	<b>Explain</b> Banking practices and Banker customer relationship ( <b>Apply</b> )
		CO3	<b>Describe</b> Innovations and reforms in banking sector ( <b>Understand</b> )
		CO4	Explain the basics of Insurance Business. (Apply)
		CO5	<b>Evaluate</b> Insurance claims and regulations. (Analyze)
CC 1431 -	BUSINESS STATISTICS	C01	<b>Understand</b> statistical techniques those are applicable to business.( <b>Understand</b> )
	~	CO2	<b>Persuade</b> students in applying statistical techniques in business problem solving ( <b>Evaluate</b> )
	1	CO3	<b>Evaluate</b> Correlation and regression analysis (Analyze)
	R	CO4	<b>Calculate</b> the indices to measure price and quantity changes over period of time ( <b>Analyze</b> )
Ć		CO5	<b>Practice</b> time series in an informative way, both graphically and with summary statistics ( <b>Apply</b> )
CC 1442 -	INDIAN FINANCIAL MARKET	CO1	<b>Describe</b> the functioning of Indian Financial Market in general and Capital market operations in particular.( <b>Understand</b> )
		CO2	<b>Explain</b> different types of dealings in Indian financial market ( <b>Understand</b> )
		CO3	Explain different methods of hedging risk using

			derivative instruments (Understand)
		CO4	<b>Explain</b> the regulations of Indian Financial Market (Understand)
		CO5	<b>Develop</b> an idea of working of the securities markets and its components ( <b>Create</b> )
CC 1445	SOFTWARE FOR DATA MANAGEMENT	CO1	<b>Explain</b> the basics of Software for Data Management (Understand)
		CO2	<b>Prepare</b> the students to meet the demands of the industry. (Apply)
		CO3	<b>Develop</b> practical skills on advanced uses of Microsoft Excel ( <b>Apply</b> )
		CO4	<b>Develop</b> theoretical and technical expertise in statistical software SPSS (Apply)
		CO5	Create databases and queries using Microsoft Access (Create)

COURS E CODE	COURSE NAME		COURSE OUTCOME
CC 1541	FUNDAMENTAL S OF INCOME TAX	CO1	<b>Discuss</b> the Basic Concepts and Definitions of Income Tax Act. (Understand)
		CO2	<b>Describe</b> the provisions relating to Computation of Income from Salaries. ( <b>Understand</b> )
		CO3	<b>Explain</b> the computation of Income from House Property. ( <b>Apply</b> )
		CO4	<b>Illustrate</b> computation of Profits and Gains of Business or Profession, Capital Gains and Income from Other Sources ( <b>Analyze</b> )
		CO5	Explain the Computation of Tax Liability of

			Individual Assessee (Analyze)
CC 1542	COST ACCOUNTING	CO1	Make students explain various cost and cost accounting concepts (Analyze)
		CO2	Assess the cost of various elements of cost such as Material, Labour and Overheads (Evaluate)
		CO3	<b>Differentiate</b> Cost and Financial accounting systems ( <b>Analyze</b> )
		CO4	Prepare Cost Sheet and Reconciliation Statement (Create)
		CO5	<b>Examine</b> the application of cost accounting, financial accounting and management accounting in business organisations.( <b>Apply</b> )
CC 1543	MARKETING MANAGEMENT	CO1	<b>Recall</b> the knowledge of various concept s of modern marketing management ( <b>Remember</b> )
		CO2	Explain the contemporary marketing process in the emerging business scenario(Understand)
		CO3	<b>Describe</b> various aspects of application of modern marketing techniques for obtaining a competitive advantages in business organisation ( <b>Understand</b> )
		<b>CO4</b>	<b>Describe</b> various aspects of consumer behaviour (Understand)
		C05	Apply advertising techniques in marketing (Apply)
CC 1551	PRINCIPLES OF MANAGEMENT	CO1	<b>Discuss</b> the fundamentals of management and the importance of related concepts. ( <b>Understand</b> )
		CO2	<b>Explain</b> in detail about the role of principles of management in the decision making process of an organisation. ( <b>Understand</b> )
		CO3	<b>Describe</b> the significance of the management process of planning, organising, staffing, directing & controlling. (Understand)
CC 1544	WEB DESIGNING AND PRODUCTION FOR BUSINESS	CO1	<b>Describe</b> the procedure of designing and developing a web site( <b>Understand</b> ).

		CO2	<b>Explain</b> the basic functional knowledge of tags in Web designing( <b>Understand</b> )
		CO3	<b>Determine</b> the various advanced features in web designing( <b>Apply</b> ).
		CO4	<b>Explain</b> the concepts of CSS and XML( <b>Understand</b> ).
		CO5	<b>Design</b> a website using the basic and advanced tags in HTML with the help of CSS and XML ( <b>Create</b> )
CC 1545	WEB DESIGNING AND PRODUCTION FOR BUSINESS- LAB	CO1	<b>Develop</b> practical skill to design a simple web page( <b>Create</b> ).
		CO2	<b>Design</b> a complete web site using different tags in HTML. (Create)
		CO3	Apply CSS in web pages in an effective manner (Apply)
		CO4	Create a blog using XML (Create)
		CO5	<b>Design</b> a website using XML and XSL (Create)

COURSE CODE	COURSE NAME		COURSE OUTCOME					
CC 1642	APPLIED COSTING	CO1	<b>Recognise</b> important terms and concepts of Applied Costing ( <b>Remember</b> )					
		CO2	<b>Distinguish</b> various costing methods and techniques ( <b>Evaluate</b> )					
		CO3	<b>Prepare</b> Cost statements as per various systems of cost accounting ( <b>Apply</b> )					
		CO4	<b>Solve</b> problems associated with various Costing methods and techniques ( <b>Create</b> )					
		<b>CO5</b> Justify the application of various methods and techniques in a situation (Create)						
CC 1644	COMPUTERISED ACCOUNTING	<b>CO1</b>	<b>Create</b> the skills in the application of accounting packages ( <b>Create</b> )					

		CO2	<b>Explain</b> the computer applications in the field of
		CO3	Accounting ( <b>Understand</b> ) <b>Develop</b> practical knowledge in the application of
			Tally Package ( <b>Apply</b> )
		CO4	<b>Explain</b> about the various reports that can be generated with the help of Tally software. (Analyze)
		CO 5	<b>Determine</b> the various uses of Computer Softwares in the field of accounting ( <b>Apply</b> )
CC 1645	COMPUTERISED ACCOUNTING LAB	CO1	<b>Develop</b> the skills in the application of Tally in recording accounting transactions ( <b>Apply</b> )
		CO2	<b>Explain</b> about the treatment of inventory related informations in tally software and generating stock summary( <b>Understand</b> )
		CO3	<b>Create</b> a knowledge in the preparation of Bank Reconciliation statements in Tally.( <b>Create</b> )
		CO 4	<b>Prepare</b> the financial statements of a sole trading business concern in Tally ( <b>Create</b> )
		CO 5	<b>Record</b> the GST, Budgeting and stock related informations in accounting by using Tally ( <b>Apply</b> )
CC 1641	AUDITING	C01	<b>Discuss</b> the various types of audit, Audit Process and documentation ( <b>Understand</b> )
		CO2	Explain the Vouching and Verification. (Apply)
	5	CO3	<b>Explain</b> the provisions in the Companies Act regarding Auditors of Joint Stock Companies. (Understand)
		CO4	<b>Describe</b> the investigation and types of investigation.( <b>Understand</b> )
		CO5	<b>Compare</b> verification and valuation of assets in an organisation( <b>Apply</b> )
CC 1643	MANAGEMENT ACCOUNTING	CO1	<b>Recognise</b> important terms and concepts of Management Accounting( <b>Remember</b> )
		CO2	<b>Develop</b> practical knowledge in the preparation of various budgets ( <b>Apply</b> )
		CO3	<b>Prepare</b> Fund Flow Statement as per systems of management accounting ( <b>Apply</b> )

		CO4	<b>Prepare</b> Cash Flow Statement as per systems of management accounting ( <b>Apply</b> )
		CO5	<b>Solve</b> problems associated with various Management accounting techniques ( <b>Create</b> )
CC 1651.2	STRATEGIC MANAGEMENT	CO1	<b>Give</b> basic understanding about the concepts related to strategic management. (Understand)
		CO2	Appraise the students with the managerial tasks associated with implementing corporate strategy. (Evaluate)
		CO3	<b>Facilitate</b> the students to use different strategies for organizational appraisal and environmental scanning ( <b>Create</b> )
		CO4	<b>Apply</b> SWOT and TOWS analysis to identify the organizational strength, weakness, opportunities and threats of the organization ( <b>Apply</b> )
		CO5	Analyze different case studies in national and international context. (Analyze)

## 8. CO-PO-PSO MAPPING

After framing the POs, PSOs and CO statements, each CO is mapped with PO/PSO of the programme. The faculty advisor reviews the CO statements and the CO-PO mapping which has been done by course coordinator. The faculty advisor consolidates the documentation of the CO attainment level of all the courses in a semester. These details are handed over to the Head of the department in order to evaluate PO attainment of the individual course at the end of the programme and a report is submitted to the Internal Quality Assurance Cell (IQAC). All these works is done under the guidance of IQAC. For a course we map the COs to POs/PSOs through the CO-PO/PSO matrix. The various correlation levels are:

1: LOW

#### **2: MODERATE**

**3: HIGH** 



## **Process Involved In CO-PO/PSO Mapping**

## **Direct Assessment**

Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. The benchmark is set on the percentage of marks secured by the students for respective course. The assessment is done through 3 levels as L1 (Low), L2 (Medium), L3 (High) for each semester result. The levels are also applicable for Internal Exam, and University Examination. Internal Assessment is based on Internal Examination and Assignment. Course attainment is calculated in percentage as per the levels given below

Level 1 : >=50% and <60%

Level 2 : >=60 % and <70 %

Level 3 : >=70%

### **Indirect Assessment**

A Course Exit Survey is conducted for each course. Based on each course outcome survey questions were prepared and feedback is collected from the students. 10 % weightage is given for indirect assessment.

#### **OVERALL ATTAINMENT= 90% of Direct assessment + 10 % of Indirect Assessment**

## Steps Involved In CO-PO/PSO Mapping

Step 1: Set Course Outcome (CO) for each course by the Course Coordinator.

Step 2: CO-PO/PSO mapping for each course is carried out by course coordinators and is reviewed by the faculty advisor and head of the department.

Step 3: Threshold for University Examination and Internal Assessment is decided by the Course Coordinator.

Step 4: Three levels are set (3, 2, 1)in accordance with the percentage of students attaining threshold.

Step 5: Construct CO-PO/PSO mapping matrix.

Step 6: Weighted average template for each COs is generated.

Step 7: Direct attainment is assessed for each COs by giving 40% weightage to University Examination and 60% weightage to Internal Assessment which include Internal Examination and Assignment.

Step 8: Implement the three levels.

Step-9: Obtain CO attainment table through Indirect Assessment method by conducting a Course Exit Survey)

Step-10: Obtain CO attainment by giving 90% weightage to Direct Attainment and 10% weightage to Indirect Assessment.

Step-11: Obtain PO/PSO attainment table

Step 12: Submit CO-PO/PSO attainment report to Faculty Advisor.

Step 13: After evaluating the CO-PO/PSO attainment the curriculum gap is identified based on the minimum threshold set for each course.

Step 14: Submit CO-PO/PSO attainment along with the gap analysis report and recommendations for the actions to be taken to the Head of the department.

Step-14- Head of the Department would consolidate the CO and PO attainment of the programme with all the identified gaps and submit report to IQAC.

Step-15- IQAC will list out the steps to be taken to bridge the curricular gap. Contend beyond the syllabus may be delivered to the students through remedial teaching and by providing online videos courses, add-on courses etc.

		PO ATTA	INMENT	USING (	CO(DIRE	CT METHOD)		
			(	CO PO MA	PPING			
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1			2			3	
CO2		1				3		
CO3		2	2					3
CO4				1	2		3	1
CO5	1			2		1	2	
WT.AVG	1	1.5	2	1.7	2	2	2.7	2
					Overall Ma	apping of Subjec		1.9

## Sample of CO-PO/PSO Mapping

## Sample of CO-PO/PSO Attainment

			CO -F	PO-PSO AT	TAINMENT	Г		
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3
CO1	1			2			3	
CO2		1				3		
CO3		2	2					3
CO4				1	2		3	1
CO5	1			2		1	2	
AVG	1	1.5	2	1.7	2	2	2.7	2
					OVERAL	LATTAINMENT		1.9

# Mapping of CO-PO/PSO



Fig (4):CO-PO/PSO Mapping

# 9. SAMPLE CALCULATION OF CO ATTAINMENT

		CHF	RIST N	VAGA	R CO	LLEGE,	, MAF	RANA	LOO	R, TH	RUVA	ANAN	ITHAP	UR/	АМ						
	ATTAINMEN	TOPITERIA	>:	=70	>=60	and <70	>=50 a	nd <60							Thre	shold	% for	Unive	rsity E	xam	70
1	ATTAINMEN	ICKIIEKIA	Lev	vel 3	Level 2		Let	Level 1 CO Passing marks							arks o	out of	100	80			
	All fields with I	RED title should be fille	d. The	Intern	al mari	ks (out o	f 40), A	ssignme	ent mai	rks (out	t of 20)	and U	niversit	y Exa	m marks (out of 80 ) should be filled.						
F	aculty Name:	Ms Remva Nath P			PROG	. NAME		B.	Sc Mati	hematic	5		COUR	RSE N/	AME		DES	CRIPTIVI	E STATIS	TICS	
	ROGRAMME	BSc.	VC	AR		1		SEM			1		COURSE			ST 11	21.1	BAT	in u	2019-	2022
	NO GRAMME	650.				ttainmen	t for lot		Universi	· · ·	•		COURSE	cobe		31 11	34.4	DMI	-cn	2013	
			<u> </u>	_		nal Exan		critical de l	Conversion of the second secon		signme		_	_	ESE	C01	CO2	CO3	CO4	C05	<b>ECO</b>
	ي ا	Name of Student	01	02	03	04	05		01	02	03	04	05	_	Lot						
E .	2	The of Student	COL	C02	C03	C04	C05	Total	C01	C02	C03	C04 C05		Tota	KU	- %	- 56	<b>%</b>	<b>%</b>	<b>%</b>	96
*	Ref.	CO WISE MAXIMUM	1				1	(40)	4	4	4	4	4	(20)	80	100	100	100	100	100	100
1		MARKS	8.00	8.00	7.00	7.00	6.00	36	4.00	4.00	4.00	4.00	4.00	20	_		100.00			83.33	93.33
	22019825001	Adithya G P	7.00	7.00	7.00	6.00	6.00	33	4.00	4.00	4.00	4.00	4.00	20	67	100.00	91.67	91.67	91.67 83.33	83.33	\$5.33
1	22019825002 22019825003	Anamika Gopan S	6.00	5.00	5.00	5.00	4.00	25	4.00	4.00	4.00	4.00	4.00	20	62 39	\$3.33	75.00	75.00	75.00	66.67	75.00
H	22019825003	Anjali.B	6.00	6.00	6.00	6.00	5.00	29	4.00	4.00	4.00	4.00	4.00	20	39	\$3.33	83.33	83.33	83.33	75.00	75.00 \$1.67
1	22019825004	Darsha Nair Dhanya.R.A	8.00	7.00	7.00	7.00	6.00	35	4.00	4.00	4.00	4.00	4.00	20	72	100.00	91.67	91.67	91.67	83.33	91.67
-	22019825005	Hashima.D.S	7.00	7.00	6.00	6.00	6.00	32	4.00	4.00	4.00	4.00	4.00	20	38	91.67	91.67	83.33	83.33	83.33	\$6.67
-	22019825008	Meera C Dev	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20	61	100.00	100.00		100.00	100.00	100.00
-	22019825009	Merlin Robin	7.00	7.00	6.00	6.00	6.00	32	4.00	4.00	4.00	4.00	4.00	20	69	91.67	91.67	83.33	83.33	83.33	\$6.67
,	22019825010	RAJI, R. L	7.00	7.00	7.00	6.00	7.00	34	4.00	4.00	4.00	4.00	4.00	20	56	91.67	91.67	91.67	83.33	91.67	90.00
10	22019825011	Sreehari T P	5.00	5.00	5.00	5.00	4.00	24	4.00	4.00	4.00	4.00	4.00	20	28	75.00	75.00	75.00	75.00	66.67	73.33
- 11	22019825013	Vishnupriya, O.B	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20	64	100.00	100.00	100.00	100.00	100.00	100.00
12	22019825014	Aiswarya.S.S	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20	69	100.00	100.00	100.00	100.00	100.00	100.00
- 13	22019825015	Anu Johnson	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20	75	100.00	100.00	100.00	100.00	100.00	100.00
- 14	22019825016	Arun J S	8.00	7.00	7.00	7.00	6.00	35	4.00	4.00	4.00	4.00	4.00	20	48	100.00	91.67	91.67	91.67	83.33	91.67
15	22019825017	Aruna.M.K	8.00	8.00	7.00	7.00	6.00	36	4.00	4.00	4.00	4.00	4.00	20	53	100.00	100.00	91.67	91.67	83.33	93.33
16	22019825018	ARYA R S	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20		100.00		100.00	100.00	100.00	100.00
17	22019825019	Arya V S	8.00	7.00	7.00	7.00	6.00	35	4.00	4.00	4.00	4.00	4.00	20	_	100.00	91.67	91.67	91.67	83.33	91.67
- 13	22019825020	Balagopal R S	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20		100.00	100.00		100.00		
19	22019825021	Bhavani S	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20		100.00				100.00	100.00
20	22019825022	Gopika P G	8.00	8.00	8.00	8.00	8.00	40	4.00	4.00	4.00	4.00	4.00	20		100.00	100.00		100.00	100.00	100.00
21	22019825023	Haris Mohammed S.H.	7.00	6.00	6.00	6.00	5.00	30	4.00	4.00	4.00	4.00	4.00	20	56	91.67	\$3.33	83.33	83.33	75.00	\$3.33
22	22019825024	JOJIN BS	7.00	7.00	7.00	6.00	7.00	34 39	4.00	4.00	4.00	4.00	4.00	20	28	91.67	91.67	91.67	83.33	91.67	90.00
23	22019825025	Lekshmi.L.M.	8.00	8.00	8.00	7.00	8.00	23	4.00	4.00	4.00	4.00	4.00	20	65	100.00	100.00	100.00	91.67 58.33	100.00	98.33
24	22019825026	Navaneeth Krishnan B I	7.00	5.00	7.00	4.00	4.00	33	4.00	4.00	4.00	4.00	4.00	20	33	91.67	91.67	91.67	83.33	58.33 83.33	68.33 88.33
25	22019825028 22019825029	Sona Vimal Soorya Jose A	7.00	7.00	7.00	6.00	6.00	35	4.00	4.00	4.00	4.00	4.00	20	54 64	91.67 100.00	91.67 100.00		83.33 91.67	83.33	\$8.33 93.33
	22013623023	OVERALL ATTAIN	_	8.00	1.00	1.00	6.00		4.00	4.00		BSENTEE	_	20	0.4	0	0	0	0	0	73.35
1	Amainment they at		- CIVI				8.00		TABLE				TTEMPTE	0	28	28	28	28	28	28	
		internal assessment:											JRED MA	_							
2	Attainment through	university examination:					2.00		MEN		THRES	HOLD M	ARKS		17	24	28	28	23	21	
3	Weightage given to	the Internal examination (60	0%):				1.80		ATTAINMENT	% OF		TS SECU HOLD M	RED MAR IARKS	82.5	85.08	92.81	88.48	88.48	88.48	80.77	
4	Weightage given to	the university examination (	(40%):				0.80		A	ATTAI	NMENT	(3 ≥ 70% 50%)	, 2 <u>≥</u> 60%	,1≥	2.00	8.00	8.00	8.00	8.00	8.00	
5	Final attainment lev	el of the course (by Direct A	ssessen	vent):			2.80		Final	attainm	ent level	CO (by i	Direct Ass	essem	ent):	2.80	2.80	2.80	2.80	2.80	
6	Attainment through	Indirect Assessment					8.00		Fir	al attain		el CO (b essemen	y Direct 8 t):	k Indin	inc I	2.84	2.84	2.84	2.84	2.84	
7	Overall Attainment(	Direct&Indirect)					2.8														

# Sample of Course –Exit Survey

	Course Outcome - I Academic Year : 2019-2022 Indirect assessment (Course J					Sem	ester		nort	1		
Note: M	A-Marks Allotted by the student in a sp					itage	of M	arks i	in a s		ic CO	
SI No.	Student Name	_	01	_	02 %	_	03 %	CO4		COS		
SI NO.	Maximum Marks	MA	%	MA	76	MA	76	MA	%	MA	%	
1	Adithya G P	5	100	5	100	5	100	5	100	5	100	
2	Anamika Gopan S	5	100	5	100	4	80	5	100	5	100	
3	Aniali.B	5	100	5	100	5	100	5	100	5	100	
4	Darsha Nair	5	100	5	100	4	80	4	80	5	100	
5	Dhanya.R.A	5	100	5	100	5	100	4	80	4	80	
6	Hashima.D.S	4	80	5	100	4	80	4	80	5	100	
7	Meera C Dev	5	100	5	100	5	100	4	80	5	100	
8	Merlin Robin	4	80	5	100	4	80	5	100	5	100	
9	RAJI, R. L	5	100	5	100	5	100	4	80	5	100	
10	Sreehari T P	5	100	5	100	4	80	4	80	4	80	
11	Vishnupriya. O.B	4	80	5	100	5	100	4	80	5	100	
12	Aiswarya, S. S	4	80	4	80	4	80	4	80	4	80	
13	Any Johnson	4	80	4	80	5	100	4	80	5	100	
14	Arun J S	4	80	4	80	5	100	5	100	4	80	
15	Aruna.M.K	5	100	4	80	5	100	5	100	5	100	
16	ARYA R S	5	100	5	100	5	100	5	100	4	80	
17	Arva V S	5	100	4	80	5	100	5	100	5	100	
18	Balagopal R S	5	100	5	100	5	100	4	80	4	80	
19	Bhavani S	5	100	4	80	5	100	4	80	5	100	
20	Gopika P G	5	100	5	100	5	100	4	80	5	100	
21	Haris Mohammed S.H.	5	100	4	80	4	80	5	100	5	100	
22	JOJIN BS	5	100	5	100	4	80	5	100	5	100	
23	Lekshmi.L.M.	5	100	4	80	4	80	5	100	5	100	
24	Navaneeth Krishnan B I	4	80	5	100	4	80	5	100	5	100	
25	Sona Vimal	5	100	4	80	4	80	5	100	4	80	
26	Soorya Jose A	4	80	5	100	5	100	5	100	4	80	
Course Outcomes		C	01	C	02	CO3		C	04	(	05	
Thresh	old for Attainment Calculation(%Marks)	1	50	5	0	50		50			50	
То	tal Number of students Attempted	1	26	26		26		26		26		
Nur	mber of Students Attained the Target	1	26	26		26		26		26		
1	% of Students Attained the Target	100		10	00	100		100			100	
	Attainment Level		3	3		3		3			3	

Department of Mathematics

Give marks to each CO based on the given scale										
5										
4										
3										
2										
1										

How do you rate your ability to recall the main works of the prescribed fiction writers?
How do you rate your ability to observe the craft of the fiction writers?
How do you rate your ability to research how the resource language is used as a medium in creative writing?
How do you rate your ability to analyze the character sketches in the prescribed works?
How do you rate your ability to analyze the character sketches in the prescribed works?
How do you rate your ability to judge the novel on the basis of subject and relevance among contemporary Hindi novels?

## **10. SAMPLE CO ATTAINMENT**

## **CO** Attainment

	Course Code	CO1	CO2	CO3	CO4	CO5	Remarks	
9	MM 1641	3.00	3.00	3.00	3.00	2.82		
ter	MM 1642	3.00	3.00	3.00	3.00	3.00		
Semester	MM 1643	0.84	0.84	0.84	0.48	0.30	Not Attained	
	MM 1644	3.00	3.00	3.00	3.00	3.00		
	MM 1645	2.28	2.28	2.28	2.28	2.28		
	MM 1661.1	1.56	1.56	1.56	1.56	1.56		

## **PSO-PO** Attainment

	Course Code	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	Remarks
Semester 6	MM 1641	1	1	1	1	1.8	3	2.8	2	
	MM 1642	1	1	1.3	1	2.6	3	2.8	2	
	MM 1643	0.2	0.2	0.2	0.2	0.3	0.4	0.6	0.3	Not Attained
	MM 1644	-	- 🔨	2	-	1	2.4	2.4	2.8	
	MM 1645	1.1	1.3	1.3	1.5	1.6	1.8	1.6	1.2	
	MM 1661.1	1.4	1.4	1.4	1.2	1.4	1.2	1.2	1.2	

# **Overall attainment**

9	Course Code	Overall Mapping	Minimum attainment	Overall Attainment	Remarks	
	MM 1641	1.7	2.0	3.0		
iter	MM 1642	1.8	2.0	3.0		
Semester	MM 1643	1.5	1.0	0.7	Not Attained	
	MM 1644	2.1	2.0	3.0		
	MM 1645	1.9	2.0	2.3		
	MM 1661.1	2.8	2.0	1.6	Not Attained	

Academic	Semester	Course	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3
		EN 1111.1	1.8	2.2	0.9	2.6	2.3		2.6	2.6
•	SR .	EN 1121		2.5	3	2.5	2.2		2.5	2.7
ACADEMIC YEAR 2019-20	STE	MM 1141	0.5	0.7	1.6	1.3	1.6	1.1	0.9	1.9
019	SEMESTER	ST 1131.1			0.9	0.9		0.9	1.3	2.3
<b>R</b> 2		PY 1131.1	0.6	1	1.3	1.1	1.3	1.1	0.6	0.9
EA		ML 1111.1	0.9	0.9		1.8	2.3		1.2	
		HN 1111.1	1	1		1.5	1.4		2	1
ым	7	PY 1231.1	0.8	1.5	1.1	1.3	1.5	1	0.8	0.8
DEI	SR (	ST 1231.1			0.8			1.5	1.1	2.1
CAI	STE	MM 1221	0.9	0.9	0.9	1.3	1.9	2.2	1.5	1.2
AC	SEMESTER	EN 1212.1	2.5	2.5		2	2.4		1.5	2.8
	EN	EN 1211.1	1.5	2.2		2.6	2.1	2.2	1.8	2.6
	S	ML 1211.1	0.9	1.5		1.3	2.6		1.5	
		HN 1211.1	1.8	1.8	0.9	0.9	1.8	0.9	1.5	1.8
	SEMESTER 3	ST 1331.1			0.8		0.8	1.7		2.3
0-2]		PY 1331.1	0.9	1.3	1.8	1.5	1.8	1.5	0.9	1.2
<u> 0</u> 20		MM 1341	0.9	0.9	1.8	1.3	1.9	2.1	2.4	1.1
<b>R</b> 2		EN 1311.1	2.2	1.3		2.5	2.6	1.8	2.1	2.6
EA		ML 1311.1	1.1	0.9	0.9	1.8	1.8		1.2	
ACADEMIC YEAR 2020-21		HN 1311.1	1.8	0.9	0.9	0.9	1.3	2.6	0.9	
ы	SEMESTER 4	ST 1431.1			0.8		0.8	1.7		2.3
DEI		PY 1431.1	0.8	1.1	1.5	1.3	1.5	1.3	0.8	1
CAI		MM 1441	0.8	0.8	1	1.5	1.5	1.7	1.8	1.3
AC		EN 1411.1	1.8	3	1.7	1.5	3	1	2.7	2.2
		ML 1411.1	1.2	0.8		1	1.9		1.1	
		hn 1411.1		1	1	2	2.5	1	2	1
-22	SEMESTER 6 SEMESTER	MM 1541	0.8	0.5	0.8	0.8	1.3	2	1.8	1.2
ACADEMIC YEAR 2021-22		MM 1545	1	1	3	1.3	1.4	3	2.2	1.8
t 20		MM 1544	1	1.4	1.2	2.4	2.2	2.6	2.3	2.7
<b>AF</b>		MM 1542	0.5	0.5	0.6	0.4	1.2	1.5	1.4	1
YF		MM 1543	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.4
IIC		MM 1641	0.8	0.6	0.6	0.8	1.3	2	1.9	1.3
EM		MM 1644			1.8		0.9	2.1	2.1	2.5
AD		MM 1645	1.3	1.3	1.4	1.7	1.8	1.9	1.8	1.3
AC.		MM 1661.1	2.3	2.3	2.3	1.9	2.3	2	2	2
4		MM 1642	0.8	1	1	0.8	2.2	2.6	2.4	1.7
		MM 1643	0.6	0.6	0.6	0.3	0.6	1.2	1.3	0.7
<b>Overall Attainment</b>			1.1	1.3	1.2	1.4	1.7	1.7	1.6	1.7

# 11. SAMPLE PO ATAINMENT OF A PROGRAMME (Department of Mathematics)